

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_ST0002_01_s_2013_4				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_ST0002_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_ST0002_01_s_2013_6				
Comment Code					
Inspector Comment					
The LMA has completed flood flight training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard East Levee Sutter Bypass

View of the erosion along the waterside toe.

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## Sutter Maintenance Yard East Levee Sutter Bypass

View of the garbage along the waterside slope.

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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	<b>3.55</b>	Rating **	A/W	Issue No.	<b>64</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.120372°	39.120372°	
			-121.779800°	-121.779800°	
DWR ID	16880				

**Comment Code**

**Inspector Comment**

FS\_ID:51566  
DS\_ID:16880  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 4/11/2017 Not abandoned. good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverts are still being used as gravity drains for the LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates left in open position. Unable to determine type of abandonment for concrete culverts. Contact inspector to determine type of abandonment.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 3] 1 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS.  
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].  
FS Date: 4/13/2017 1:10:49 PM

LM Start	<b>3.55</b>	Rating **	A/W	Issue No.	<b>64 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51566\_64815.jpg



Slide gates on LS shoulder.

Photo 2 of 3 : UCIP\_FA\_2018\_51566\_64814.jpg



Flap gates on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.	64 (cont)
LM End	3.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.120372 °	39.120372 °
				-121.779800 °	-121.779800 °
DWR ID	16880				

**Comment Code**

**Inspector Comment**

FS\_ID:51566

DS\_ID:16880

EP\_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverts are still being used as gravity drains for the LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates left in open position. Unable to determine type of abandonment for concrete culverts. Contact inspector to determine type of abandonment.

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 3] 1 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS.

[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:10:49 PM

Photo 3 of 3 : UCIP\_FA\_2018\_51566\_64813.jpg



Abandoned pump house and sump on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.	65
LM End	3.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.120358 °	39.120358 °
				-121.779775 °	-121.779775 °
DWR ID	16895				

**Comment Code**

**Inspector Comment**

FS\_ID:51567  
DS\_ID:16895  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverst still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine abandonment.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 3] 2 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS.  
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].  
FS Date: 4/13/2017 1:16:13 PM

LM Start	<b>3.55</b>	Rating **	A/W	Issue No.	<b>65 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51567\_64819.jpg



Slide gate valves on LS shoulder.

Photo 2 of 3 : UCIP\_FA\_2018\_51567\_64818.jpg



Flap gates on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.	65 (cont)	
LM End	3.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.120358 °	39.120358 °	
				-121.779775 °	-121.779775 °	
DWR ID	16895					
Comment Code						
Inspector Comment						
FS_ID:51567 DS_ID:16895 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine abandonment. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 3] 2 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)]. FS Date: 4/13/2017 1:16:13 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_51567\_64817.jpg



Abandoned pump house and sump on LS toe.

LM Start	5.19	Rating **	M	Issue No.	45
LM End	5.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.103368 °	39.103368 °
				-121.758760 °	-121.758760 °
DWR ID	DWR_ST0002_01_s_2018_45				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the slope damaged by vehicle traffic.					

Photo 1 of 1 : FA\_2018\_ST0002\_450\_45\_20180905\_00012.jpg



View of the vehicle traffic along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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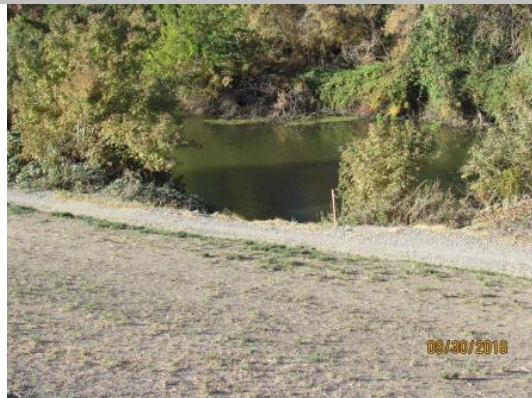
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	7.83	Rating **	A/W	Issue No.	34
LM End	7.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.067299 °	39.067299 °
				-121.742851 °	-121.742851 °
DWR ID	DWR_ST0002_01_f_2016_34				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_ST0002\_450\_34\_20180905\_00007.jpg



View of the erosion along the waterside toe.

LM Start	10.83	Rating **	M	Issue No.	71	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.025693 °	39.025693 °	
				-121.726895 °	-121.726895 °	
DWR ID	16871					
Comment Code						
Inspector Comment						
FS_ID:51595 DS_ID:16871 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/11/2017 Aabandoned.10/10/2016 Abandoned crossing.4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticebale issues with it.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 1 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:16:54 PM						

Photo 1 of 3 : UCIP\_FA\_2018\_51595\_65251.jpg



Slide gates on WS shoulder

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	M	Issue No.	71 (cont)
LM End	10.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.025693 °	39.025693 °
				-121.726895 °	-121.726895 °
DWR ID	16871				

**Comment Code**

**Inspector Comment**

FS\_ID:51595  
DS\_ID:16871  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 4/11/2017 Aabandoned.10/10/2016 Abandoned crossing.4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues with it.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment.  
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FS Date: 4/13/2017 2:16:54 PM

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_51595\_65250.jpg



Flap gates on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_51595\_65249.jpg



Pumphouse/intake structure on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	M	Issue No.	72
LM End	10.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.025683 °	39.025683 °
				-121.726886 °	-121.726886 °
DWR ID	16906				
Comment Code					
Inspector Comment					
FS_ID:51596 DS_ID:16906 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/11/2017 Abandoned.10/10/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues to report.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Determine type of abandonment. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 2 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:17:39 PM					

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51596\_65254.jpg



Slide gates on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2018\_51596\_65253.jpg



Flap gates on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	M	Issue No.	72 (cont)	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.025683 °	39.025683 °	
				-121.726886 °	-121.726886 °	
DWR ID	16906					
Comment Code						
Inspector Comment						
FS_ID:51596 DS_ID:16906 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/11/2017 Abandoned.10/10/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues to report.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Determine type of abandonment. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 2 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:17:39 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_51596\_65252.jpg



Pumping plant on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	<b>10.83</b>	Rating **	A/W	Issue No.	<b>73</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.025673 °	39.025673 °	
			-121.726873 °	-121.726873 °	
DWR ID	16907				

**Comment Code**

**Inspector Comment**

FS\_ID:51597  
DS\_ID:16907  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 3 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].  
FS Date: 4/13/2017 2:18:31 PM

LM Start	<b>10.83</b>	Rating **	A/W	Issue No.	<b>73 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51597\_65257.jpg



Slide gates on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2018\_51597\_65256.jpg



Flap gates on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.	73 (cont)	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.025673 °	39.025673 °	
				-121.726873 °	-121.726873 °	
DWR ID	16907					
Comment Code						
Inspector Comment						
FS_ID:51597						
DS_ID:16907						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment.						
FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 3 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].						
FS Date: 4/13/2017 2:18:31 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_51597\_65255.jpg



Pumphouse and intake on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	<b>10.83</b>	Rating **	A/W	Issue No.	<b>74</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.025656 °	39.025656 °	
			-121.726878 °	-121.726878 °	
DWR ID	16908				

**Comment Code**

**Inspector Comment**

FS\_ID:51598  
DS\_ID:16908  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].  
FS Date: 4/13/2017 2:19:46 PM

LM Start	<b>10.83</b>	Rating **	A/W	Issue No.	<b>74 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51598\_65260.jpg



Slide gates on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2018\_51598\_65259.jpg



Flap gates on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.	74 (cont)	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.025656 °	39.025656 °	
				-121.726878 °	-121.726878 °	
DWR ID	16908					
Comment Code						
Inspector Comment						
FS_ID:51598 DS_ID:16908 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:19:46 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_51598\_65258.jpg



Pumphouse and intake on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	<b>10.83</b>	Rating **	A/W	Issue No.	<b>75</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.025639 °	39.025639 °	
			-121.726874 °	-121.726874 °	
DWR ID	16909				

**Comment Code**

**Inspector Comment**

FS\_ID:51599  
DS\_ID:16909  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment for pipe.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 5 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].  
FS Date: 4/13/2017 2:20:32 PM

LM Start	<b>10.83</b>	Rating **	A/W	Issue No.	<b>75 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51599\_65263.jpg



Slide gates on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2018\_51599\_65262.jpg



Flap gates on WS Toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.	75 (cont)	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.025639 °	39.025639 °	
				-121.726874 °	-121.726874 °	
DWR ID	16909					
Comment Code						
Inspector Comment						
FS_ID:51599 DS_ID:16909 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment for pipe. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 5 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:20:32 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_51599\_65261.jpg



Pumphouse/intake on LS toe.

LM Start	10.88	Rating **	M	Issue No.	1
LM End	10.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.024835 °	39.024399 °
				-121.726929 °	-121.726808 °
DWR ID	DWR_ST0002_01_s_2016_1				
Comment Code					
Inspector Comment					
2011 - Small section of the mid levee slope has eroded from wind wave.					
2015: Site is part of the extended inventory, last inspected 2011. [2015					
Site ID: SBP_11-1_L] No change					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	12.75	Rating **	M	Issue No.	44
LM End	12.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.998698 °	38.998698 °
				-121.718062 °	-121.718062 °
DWR ID	DWR_ST0002_01_s_2018_44				
Comment Code					
MA : Material					
Inspector Comment					
Remove the tires from the water side slope and toe.					

Photo 1 of 1 : FA\_2018\_ST0002\_450\_44\_20180905\_00011.jpg



View of the tires along the waterside slope and toe.

LM Start	13.34	Rating **	A/W	Issue No.	23
LM End	13.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.991857 °	38.991857 °
				-121.711555 °	-121.711555 °
DWR ID	DWR_ST0002_01_s _ 2015_23				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Monitor the erosion along the waterside slope.					

Photo 1 of 1 : FA\_2018\_ST0002\_450\_23\_20180905\_00004.jpg



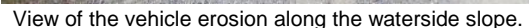
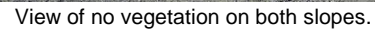
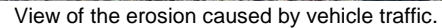
View of the vehicle erosion along the slope.

LM Start	13.83	Rating **	C	Issue No.	39
LM End	13.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.987353 °	38.987353 °
				-121.704613 °	-121.704613 °
DWR ID	DWR_ST0002_01_s_2018_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree was removed from the waterside slope and toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard East Levee Sutter Bypass





**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	17.60	Rating **	M	Issue No.	21 (cont)	
LM End	17.60	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.949965 °		38.949965 °
				-121.653823 °		-121.653823 °
DWR ID	DWR_ST0002_01_s_2015_21					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Repair the vehicle erosion along the waterside slope.						

Photo 2 of 2 : FA\_2018\_ST0002\_450\_21\_20180905\_00003.jpg



View of the vehicle erosion along the waterside slope.

LM Start	19.18	Rating **	A/W	Issue No.	80
LM End	19.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.932476 °	38.932476 °
				-121.635173 °	-121.635173 °
DWR ID	16877				
Comment Code					
Inspector Comment					
FS_ID:51609 DS_ID:16877 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - A Freitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - a Freitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culvert. FIELD_STRUCT_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)]. FS Date: 4/13/2017 2:44:23 PM					

Photo 1 of 3 : UCIP\_FA\_2018\_51609\_65326.jpg



Pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	<b>19.18</b>	Rating **	A/W	Issue No.	<b>80 (cont)</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.932476 °	38.932476 °	
			-121.635173 °	-121.635173 °	
DWR ID	16877				

**Comment Code**

**Inspector Comment**

FS\_ID:51609  
DS\_ID:16877  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - A Freitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - a Freitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culvert.  
FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].  
FS Date: 4/13/2017 2:44:23 PM

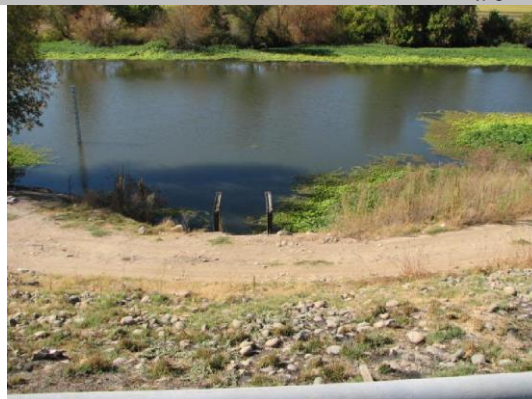
LM Start	<b>19.18</b>	Rating **	A/W	Issue No.	<b>80 (cont)</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_51609\_65325.jpg



Slide gates on WS shoulder.

Photo 3 of 3 : UCIP\_FA\_2018\_51609\_65327.jpg



Flap gates on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	<b>19.18</b>	Rating **	A/W	Issue No.	<b>81</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.932469 °	38.932469 °	
			-121.635160 °	-121.635160 °	
DWR ID	17027				

**Comment Code**

**Inspector Comment**

FS\_ID:51610

DS\_ID:17027

EP\_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culverts.

FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope.

[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:47:22 PM

LM Start	<b>19.18</b>	Rating **	A/W	Issue No.	<b>81 (cont)</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51610\_65330.jpg



Pumphouse on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_51610\_65329.jpg



Slide gates on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

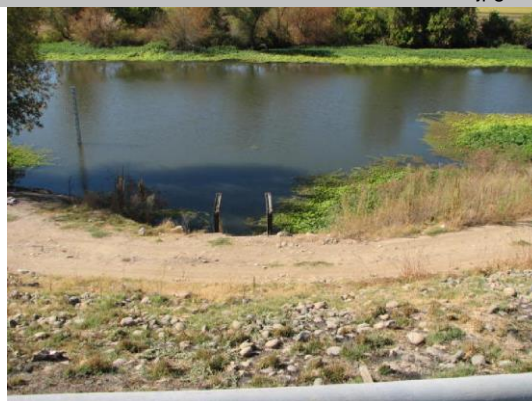
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.	81 (cont)	
LM End	19.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.932469 °	38.932469 °	
				-121.635160 °	-121.635160 °	
DWR ID	17027					
Comment Code						
Inspector Comment						
FS_ID:51610 DS_ID:17027 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 4/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culverts. FIELD_STRUCT_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)]. FS Date: 4/13/2017 2:47:22 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_51610\_65328.jpg



Flap gates on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	<b>19.18</b>	Rating **	A/W	Issue No.	<b>82</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.932460 °	38.932460 °	
			-121.635150 °	-121.635150 °	
DWR ID	17028				

**Comment Code**

**Inspector Comment**

FS\_ID:51611  
DS\_ID:17028  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 4/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - A Freitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - a Freitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Need to determine type of abandonment for concrete culverts.  
FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].  
FS Date: 4/13/2017 2:50:01 PM

LM Start	<b>19.18</b>	Rating **	A/W	Issue No.	<b>82 (cont)</b>
LM End	<b>19.18</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51611\_65333.jpg



Pumphouse on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_51611\_65332.jpg



Slide gates on WS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

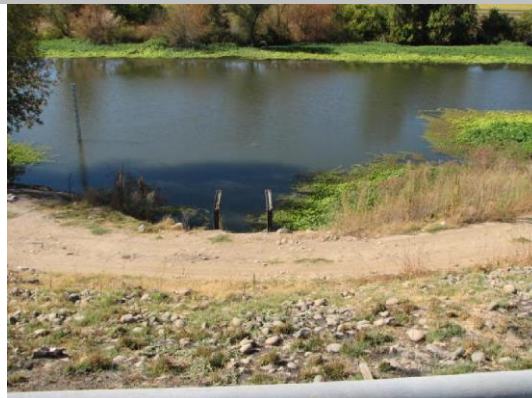
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.	82 (cont)	
LM End	19.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.932460 °	38.932460 °	
				-121.635150 °	-121.635150 °	
DWR ID	17028					
Comment Code						
Inspector Comment						
FS_ID:51611						
DS_ID:17028						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 4/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - A Freitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - a Freitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Need to determine type of abandonment for concrete culverts.						
FIELD_STRUCT_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].						
FS Date: 4/13/2017 2:50:01 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_51611\_65331.jpg



Flap gate at WS toe.

LM Start	20.02	Rating **	M	Issue No.	29
LM End	20.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.922678 °	38.922678 °
				-121.625890 °	-121.625890 °
DWR ID	DWR_ST0002_01_f_2015_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_ST0002\_450\_29\_20180905\_00006.jpg



View of the vehicle erosion along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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